

## **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims**

Claims 1-3 (Canceled)

Claim 4 (Currently Amended) ~~An infrared reflective~~ A coated article comprising:

- A) a substrate;
- B) one or more dielectric layers ~~defined as a first dielectric layer sputter deposited over the substrate, the first dielectric layer,~~ comprising:
  - i) first dielectric film comprising at least one film of:
    - zinc oxide film,
    - silicon oxide film,
    - tin oxide film,
    - silicon nitride film,
    - silicon oxynitrate film, or
    - ~~film of an oxide of an alloy of zinc and tin having zinc in a weight percent range of equal to or greater than 10 and equal to or less than 90, and tin in the weight percent range of equal to or less than 90 and equal to or greater than 10, defined as alloy oxide film of the first dielectric film of the first dielectric layer of the first dielectric film, and~~
  - ii) a second dielectric film deposited over the first dielectric film, the second dielectric film comprising at least ~~one film of:~~
    - a zinc oxide, tin oxide film, wherein the zinc oxide, tin oxide film has tin in the weight percent range of greater than 0 and less than 10 and the majority of the balance zinc, and ~~or~~
    - ~~film of an oxide of an alloy of zinc and tin having zinc in the weight percent range of equal to or greater than 10 and equal to or less than 90 and tin in the weight percent range of equal to or less than 90 and equal to~~

~~or greater than 10 defined as alloy oxide film of the second dielectric film of the first dielectric layer, wherein when the first and second dielectric films of the first dielectric layer each have an alloy oxide film, the composition of the alloy oxide film of the first dielectric film of the first dielectric layer is at least about 5 weight percent different in the amounts of zinc and tin than the composition of the alloy oxide film of the second dielectric film of the first dielectric layer, and~~

C) one or more ~~an~~ infrared reflective layers deposited on at least one of the first dielectric layers.

Claim 5 (Currently Amended) The coated article of claim 4 wherein the infrared reflective layer ~~metal~~ is silver and the second dielectric film is the zinc oxide, tin oxide film as an electrical enhancing film.

Claim 6 (Canceled)

Claim 7 (Currently Amended) The coated article of claim 4 wherein there is a first infrared reflective layer, and a first and a second dielectric layer, and further including:

~~a metal primer layer; over the first infrared reflective layer,  
a second dielectric layer over the primer layer, and  
optionally a protective overcoat over the second dielectric layer,~~  
the coated article is characterized by the first dielectric layer being over the substrate, the metal primer layer being over the first infrared reflective layer and the second dielectric layer being over the primer.

Claim 8 (Canceled)

Claim 9 (Currently Amended) The coated article of claim 7 wherein the primer layer is a first primer ~~4 wherein the infrared reflective layer is a first infrared reflective layer and further comprising~~ including:

~~a first metal primer layer over the first infrared reflective metal layer;~~  
~~———— a second dielectric layer over the first primer layer;~~  
a second infrared reflective layer over the second dielectric layer;  
a second metal primer layer over the second infrared reflective layer; and  
a third dielectric layer over the second metal primer layer; and  
~~———— optionally a protective film over the third dielectric layer.~~

Claim 10 (Canceled)

Claim 11 (Currently Amended) The coated article of claim 94 ~~wherein the infrared reflective layer is a first infrared reflective layer and~~ and further including comprising:

~~a first metal primer layer over the first reflective layer;~~  
~~———— a second dielectric layer comprising a first dielectric film and a second dielectric film over the first dielectric film of the second dielectric layer, the second dielectric film of the second dielectric layer comprising a film of an oxide of an alloy of zinc and tin having zinc in the weight percent range of equal to or greater than 10 and equal to or less than 90 and tin in the weight percent range of equal to or greater than 10 and equal to or less than 90 defined as alloy oxide film of the second dielectric film of the second dielectric layer, the first dielectric film of the second dielectric layer deposited over the first metal primer layer;~~  
~~———— a second infrared reflective layer deposited over the second dielectric layer;~~  
~~———— a second metal primer layer deposited over the second infrared reflective layer;~~  
~~———— a third dielectric layer deposited over the second primer layer,~~  
and

~~optionally a protective layer over the third dielectric layer as a last layer on the substrate.~~

Claim 12 (Canceled)

Claim 13 (Currently Amended) The coated article of claim ~~7~~42 wherein the ~~alloy oxide film of the first dielectric film of the second dielectric layer~~ has zinc in the weight percent range of equal to or greater than 60 and equal to or less than 90 and tin in the weight percent of equal to or greater than 10 and equal to or less than 40, ~~and the third dielectric layer is a film of an oxide of an alloy of zinc and tin.~~

Claims 14 and 15 (Canceled)

Claim 16 (Currently Amended) The coated article of claim ~~9~~45 wherein the ~~alloy oxide film of the first dielectric film of the third dielectric layer~~ has zinc in the weight percent range of equal to or greater than 60 and equal to or less than 90 and tin in the weight percent range of equal to or greater than 10 and equal to or less than 40.

Claims 17-19 (Canceled)

Claim 20 (Currently Amended) The coated article of claim 47 wherein the second dielectric layer further includes a third dielectric film over ~~the alloy oxide film of the second dielectric film of the second dielectric layer.~~

Claim 21 (Currently Amended) The coated article of claim ~~20~~48 wherein the ~~second dielectric layer further includes a third dielectric film of the second dielectric layer over the alloy oxide film of the second dielectric film of the second dielectric layer wherein the third dielectric film of the second dielectric layer is a film selected from the group consisting of zinc oxide film; zinc oxide,~~

tin oxide film; and a film of an oxide of an alloy of zinc and tin defined as ~~alloy oxide film of the third dielectric film of the second dielectric layer, the alloy oxide film of the third dielectric film of the third dielectric layer~~ has a composition different in zinc and tin than the composition of the alloy oxide film of the ~~second dielectric film of the third dielectric layer~~ closest to the alloy oxide film of the ~~third dielectric film of the third dielectric layer~~.

Claims 22 and 23 (Canceled)

Claim 24 (Currently Amended) The coated article of claim ~~920~~ wherein the substrate is a glass sheet piece and ~~the first dielectric film of the first dielectric layer is the alloy oxide film of the first dielectric film of the first dielectric layer and the alloy oxide film of the first dielectric film of the first dielectric layer is on the glass sheet piece and has a thickness in the range of  $230 \pm 40$  Angstroms ( $\text{\AA}$ ); the alloy metal oxide of the second dielectric film of the first dielectric layer is on the alloy oxide film of the first dielectric film of the first dielectric layer and has a thickness in the range of  $80 \pm 40 \text{\AA}$ ; the first infrared reflective metal layer is a first silver film deposited on the alloy oxide film of the second dielectric film of the first dielectric layer and has a thickness in the range of  $110 \pm 30 \text{\AA}$ , the first metal primer layer is a titanium containing film deposited on the first silver layer and has a thickness in the range of  $17\text{-}26 \text{\AA}$ ; the first dielectric film of the second dielectric layer is deposited on the titanium containing film and has a thickness in the range of  $80 \pm 40 \text{\AA}$ ; the alloy oxide film of the second dielectric film of the second dielectric layer is deposited on the first dielectric film of the second dielectric layer and has a thickness in the range of  $740 \pm 40 \text{\AA}$ ; the second infrared reflective metal layer is a second silver film deposited on the second dielectric film of the second dielectric layer and has a thickness in the range of  $110 \pm 38 \text{\AA}$ ; the second primer metal layer film is a titanium containing film deposited on the second silver layer and having a thickness in the range of  $18 - 31 \text{\AA}$ ; the first dielectric film of the third dielectric layer is deposited on the second titanium containing film and has a thickness in~~

the range of  $80 \pm 40 \text{ \AA}$ ; ~~the alloy oxide film of the second dielectric film of the~~  
third dielectric layer is deposited on the first dielectric film of the third dielectric  
layer and has a thickness in the range of  $120 \pm 40 \text{ \AA}$ , and further comprising a  
~~the protective layer of is a titanium containing metal film deposited on the first~~  
~~zinc stannate layer of the third dielectric layer and has a thickness in the range~~  
of  $29 \pm 3 \text{ \AA}$ .

Claims 25-29 (Canceled)

Claim 30 (Currently Amended) The coated article of claim 29 wherein the alloy  
oxide film of the first dielectric film of the third dielectric layer has zinc in the  
weight percent range of equal to or less than 90 and greater than 60 and tin in  
the weight percent range of equal to or greater than 10 and equal to or less  
than 40.

Claims 31-33 (Canceled)

Claim 34 (Currently Amended) The coated article of claim ~~43~~2 wherein the  
coated article is a transparency.

Claim 35 (Original) The coated article of claim 34 wherein the coated article is  
an automotive transparency.

Claim 36 (Currently Amended) The coated article of claim 35 wherein the  
automobile transparency is an automotive windshield having a pair of glass  
sheets laminated together and one of the sheets is ~~fabricated from the~~  
substrate having the coating.

Claim 37 (Withdrawn)

Claims 38-58 (Canceled)

Claim 59 (New) The coated article of claim 4 wherein there is one infrared reflective layer, one dielectric layer, and further comprising:

a metal primer layer;

a film of an oxide of an alloy of zinc and tin having 10-90 weight percent zinc and 90-10 weight percent tin over the primer layer, the coated article is characterized by the dielectric layer being over the substrate, the infrared reflective layer being over the dielectric layer, the metal primer layer being over the infrared reflective layer, and the film of an oxide being over the metal primer layer.

Claim 60 (New) The coated article of claim 4 wherein there are first and second infrared reflective layers, first and second dielectric layers, and further comprising:

first and second metal primer layers; and

a film of an oxide of an alloy of zinc and tin having 10-90 weight percent zinc and 90-10 weight percent tin over the primer layer, the coated article is characterized by the first dielectric layer being over the substrate, the first infrared reflective layer being over the first dielectric layer, the first metal primer layer being over the first infrared reflective layer, the second dielectric layer being over the first primer layer, the second silver layer being over the second dielectric layer, the second primer layer being over the second silver layer, and the third dielectric layer being over the second primer layer.

Claim 61 (New) The coated article of claim 4 wherein there are first and second infrared reflective layers, first and second dielectric layers, and further comprising:

first and second metal primer layers; and

a film of an oxide of an alloy of zinc and tin having 10-90 weight percent zinc and 90-10 weight percent tin over the primer layer, the coated article is characterized by the first dielectric layer being over the substrate, the first

infrared reflective layer being over the first dielectric layer, the first metal primer layer being over the first infrared reflective layer, the second dielectric layer being over the first primer layer, the second silver layer being over the second dielectric layer, the second primer layer being over the second silver layer, and the film of an oxide of an alloy of zinc and tin being over the second primer layer.

Claim 62 (New) The coated article of claim 4 wherein there are first and second infrared reflective layers, first and second dielectric layers, and further comprising:

first and second metal primer layers; and

a film of an oxide of an alloy of zinc and tin having 10-90 weight percent zinc and 90-10 weight percent tin over the primer layer, the coated article is characterized by the first dielectric layer being over the substrate, the first infrared reflective layer being over the first dielectric layer, the first metal primer layer being over the first infrared reflective layer, the film of an oxide of an alloy of zinc and tin being over the first primer layer, the second silver layer being over the second dielectric layer, the second primer layer being over the second silver layer, and the second dielectric layer being over the second primer layer.